



Incident Action Plan

MISSION INCIDENT

11/18/2014

Santa Paula, California

Operational Period #29
12/22 06:00 PST - 12/29 06:00 PST

Incident Action Plan

Incident: MISSION INCIDENT	Prepared By: Ashley Reardon
Period: #29: 12/22/2014 06:00 PST - 12/29/2014 06:00 PST	Version Name: P029V02 DRAFT

Approved By

Organization	Name	Signature
USEPA	Martin Powell	
Ventura County EHD	Craig Cooper	
RP IC	Jason Guzman	

Incident Photo



Included in Action Plan

Include	Incident Forms	Include	Period Forms
<input checked="" type="checkbox"/>	Include Incident Cover	<input checked="" type="checkbox"/>	ICS 202 - Incident Objectives
<input type="checkbox"/>	ICS 201-1 - Incident Briefing	<input checked="" type="checkbox"/>	ICS 204 - Assignment List(s)
<input type="checkbox"/>	ICS 201-2 - Summary of Current Actions	<input checked="" type="checkbox"/>	ICS 205 - Communication Plan
<input type="checkbox"/>	ICS 201-3 - Organization Chart	<input checked="" type="checkbox"/>	ICS 206 - Medical Plan
<input type="checkbox"/>	ICS 201-4 - Resource Summary	<input checked="" type="checkbox"/>	ICS 207 - Organizational Chart
<input type="checkbox"/>	ICS 201-5 - Site Safety and Control Analysis	<input type="checkbox"/>	ICS 208 - Site Safety Plan(s)
<input type="checkbox"/>	Reactive Phase Weather Report	<input type="checkbox"/>	ICS 211P - Check In List
<input type="checkbox"/>	Reactive Phase Notifications	<input type="checkbox"/>	ICS 230 - Meeting Schedule
		<input type="checkbox"/>	Weather Report
		<input type="checkbox"/>	ICS 213 - General Message(s)
		<input type="checkbox"/>	ICS 214 - Activity Logs

Incident Action Plan

		<input type="checkbox"/>	Incident Critique
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ICS 202: Incident Objectives

Incident: MISSION INCIDENT	Prepared By: Ashley Reardon
Period: #29: 12/22/2014 06:00 PST - 12/29/2014 06:00 PST	Version Name: 12/20/2014 16:56 PST
Objective(s)	
<ul style="list-style-type: none"> • Work Safely Ensure the health and safety of the public and response and recovery personnel. • Secure site Establish site-wide security measures to preserve site integrity and limit unauthorized access to the Site. • Identify health threats Identify potential and immediate threats to human health associated with incident cleanup. • Mitigate health hazards Work to mitigate the immediate threats to human health and stabilize the site. • Containerize waste Containerize regulated wastes appropriately to mitigate immediate threats to human health. Inspect all on site waste containers to identify potential threats or unstable dangerous conditions. • Inventory site containers and waste Create and manage an inventory of on site waste containers to include tanks, tanker trucks, totes, pits, ponds, roll off bins and drums that may require rapid attention. use this inventory to assist in profiling various waste streams for proper disposal. 	
Operational Period Command Emphasis	
Collect outfall samples in case of any storm water run off from site Storm water recovery if necessary Maintain security around the site to preserve site integrity	
General Situational Awareness	
<ul style="list-style-type: none"> • ENSURE ALL VEHICLES ARE FACING DIRECTION OF EXIT • UTILIZE ALL APPROPRIATE PROTECTIVE EQUIPMENT • KNOW YOUR ESCAPE ROUTES • ENSURE DECON TEAM IS AWARE OF DECON OBJECTIVES • DRINK LOTS OF WATER • ESTABLISH AN AREA OF SAFE REFUGE • MAINTAIN OBSERVATIONS OF ALL CONTROL ZONES AND ENSURE NO UNAUTHORIZED MOVEMENT BETWEEN THE ZONES • REPORT ALL ILLNESSES AND INJURIES TO YOUR SUPERVISOR 	

ICS 204 - Assignment List

Incident: MISSION INCIDENT	Period: #29: 12/22/2014 06:00 PST - 12/29/2014 06:00 PST
Branch:	Division / Group: Storm Water Recovery
Prepared By: Ashley Reardon	Version Name: 12/20/2014 16:56 PST
Unit: STORM WATER RECOVERY	

Tactical Objective

Recover storm water on-site as needed for prevention of site run-off and prevent on-site contamination of cleared areas in case of rain event.

Assignments

Visual inspection of facility perimeter for possible storm water leaving site in case of rain accumulation >0.5"

Collect outfall samples in case of any storm water run off from site

Resources Required

Resource Identifier	Leader	# of Units	Contact	Notes
Storm Water Recovery Team	Robert Martinez	1	805-755-3718	

Assignment Progress and Issues

Location of Work

Perimeter

ICS 205: Communication Plan

Incident: MISSION INCIDENT	Prepared By: Ashley Reardon
Period: #29: 12/22/2014 06:00 PST - 12/29/2014 06:00 PST	Version Name: 12/20/2014 16:56 PST

Radio Listings

Zone Grp.	Ch #	Function	Channel Name / Trunked Radio System Talkgroup	Assignment	RX Freq N or W	RX Tone / NAC	TX Freq N or W	TX Tone / NAC	Mode (A, D or M)	Remarks
Ops	1		Patriot Channel 1	Operations	462.475	141.3	467.475	141.3		

Phone Listings

Name	Title	Phone	Radio	Email	Other
Alec Gonzales	Documentation Unit Lead	702-419-1306	<input type="checkbox"/>	alec@alecgonzales.com	
Ashley Reardon	Planning Section Chief	501-247-6691	<input type="checkbox"/>	areardon@cteh.com	
Chris Sigala	Security Unit Lead	805-620-2598	<input type="checkbox"/>		
Craig Cooper	Ventura County EHD (Current)	805-654-2127	<input type="checkbox"/>	craig.cooper@ventura.org	
Dave Mosley	Operations Section Chief	661-340-7177	<input type="checkbox"/>	dmosley@patriotenvironmental.com	
David Ramos	Finance Section Chief	805-755-3300	<input type="checkbox"/>	dramos@patriotenvironmental.com	
Don Warren	Operations Deputy Section Chief	601-278-7814	<input type="checkbox"/>	dwarren@cteh.com	
Jason Guzman	RP Incident Commander	805-755-3322	<input type="checkbox"/>	jguzman@patriotenvironmental.com	
Jon Colomb	START		<input type="checkbox"/>	jonathan.colomb@westonsolutions.com	
Josh Bailey	SITE STABILIZATION TASK FORCE C	661-414-9075	<input type="checkbox"/>		
Josh Blansett	Situation Unit Leader	901-573-5613	<input type="checkbox"/>	jblansett@cteh.com	
Josh Rodriguez	Supply Unit Lead	661-340-9692	<input type="checkbox"/>		
Kent Creighton	Planning Section Deputy Chief	562-310-6969	<input type="checkbox"/>	kcreighton@patriotenvironmental.com	
Kevin Matter	Site Safety Officer	562-244-2217	<input type="checkbox"/>	kmatter@patriotenvironmental.com	
Kyle Lawrence	Environmental Sampling Branch Manager	501-366-2698	<input type="checkbox"/>	klawrence@cteh.com	
Margaret Waldon	FOSC	415-940-1109	<input type="checkbox"/>	waldon.margaret@epa.gov	
Mario Pena	Staging Area Unit Lead	805-755-3741	<input type="checkbox"/>		
Mark Miller	Transportation Supervisor	562-244-1929	<input type="checkbox"/>		
Martin Powell	FOSC (Current)	562-760-7028	<input type="checkbox"/>	powell.martin@epa.gov	
Phil Baker	Air Ops Lead	501-515-1228	<input type="checkbox"/>	pbaker@cteh.com	
Randall Woodlee	Sr Chemist	615-504-3484	<input type="checkbox"/>	rwoodlee@enviroscienceinc.com	
Rich Yukihiro	Cost Unit Lead	562-244-2764	<input type="checkbox"/>		
Robert Martinez	Support Unit Lead	805-755-3718	<input type="checkbox"/>		
Rocky Schwartz	SITE STABILIZATION TASK FORCE B	909-217-2028	<input type="checkbox"/>		
Tom Dunkelman	FOSC	775-721-4712	<input type="checkbox"/>	dunkelman.tom@epa.gov	
Wesley Killingsworth	Air Monitoring Lead	501-952-0343	<input type="checkbox"/>	wkillingsworth@cteh.com	
Will Canto	Disposal Branch Director	562-244-5108	<input type="checkbox"/>	wcanto@patriotenvironmental.com	

Additional Comments

ICS 206: Medical Plan

Incident: MISSION INCIDENT	Prepared By: Ashley Reardon
Period: #29: 12/22/2014 06:00 PST - 12/29/2014 06:00 PST	Version Name: 12/20/2014 16:56 PST

First Aid Stations

Name	Location	EMT On Site	Phone	Radio
MED496	Briggs & HWY 126	Yes		

Transportation (Ground and/or Air Ambulance Services)

Name	Location	Paramedics	Phone	Radio
AMR Ambulance Service	616 FITCH AVE, MOORPARK, CA	Yes	805-517-2028	

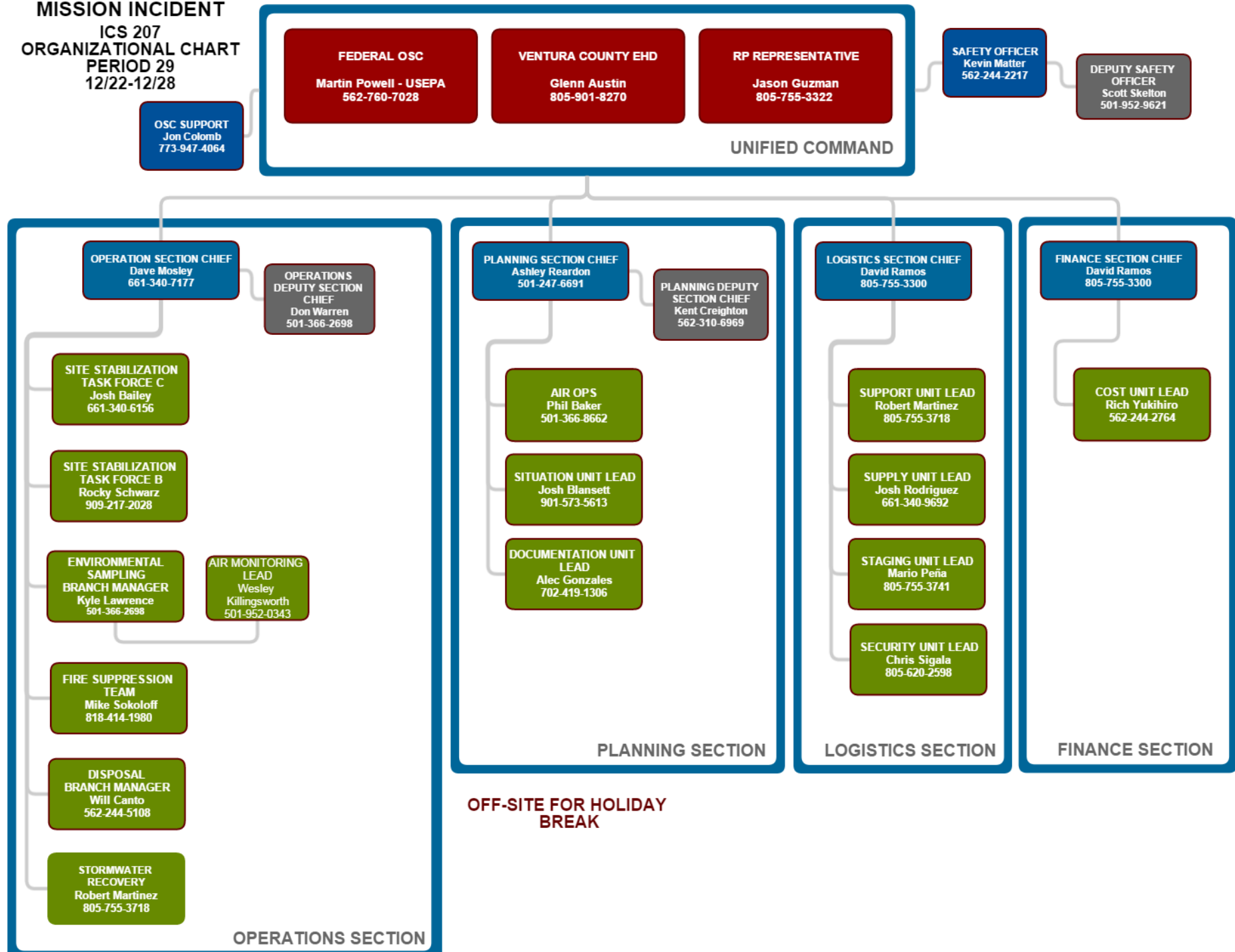
Hospitals

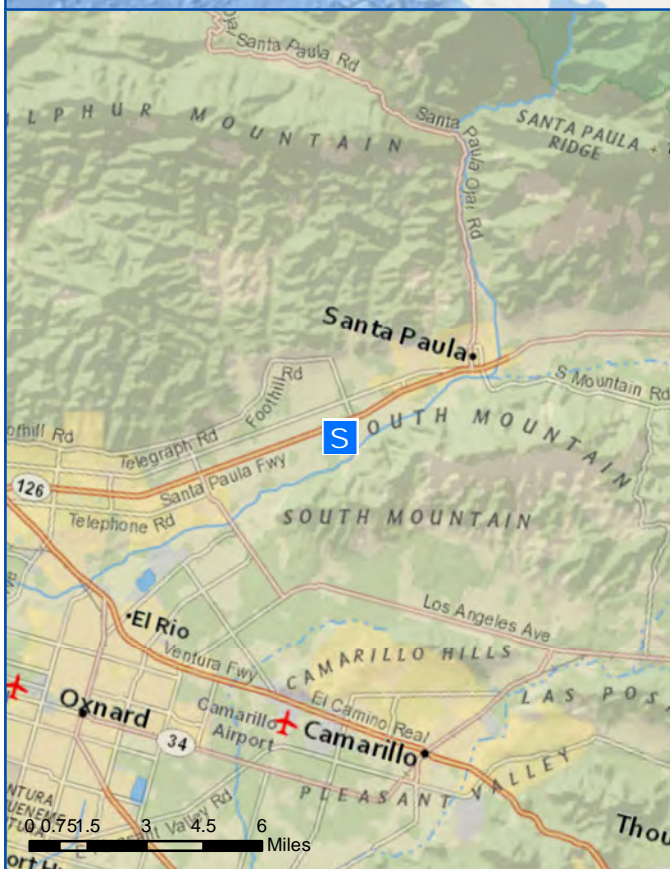
Name	Location	Burn Center	Helipad	Phone	Radio
St John's Hospital - 22min	1600 N Rose Ave, Oxnard, CA	No	No	805-988-2500	
Los Robles Hospital - 32min	215 W Janss, Thousand Oaks, CA	No	No	805-497-2727	
Santa Paula Hospital - 8min	825 N 10th st, Santa Paula, CA	No	Yes	805-933-8600	
VCMC - 15min	3291 Loma Vista, Ventura, CA	No	Yes	805-652-6000	
St John's Hospital - 22min	1600 N Rose Ave, Oxnard, CA	No	No	805-988-2500	
Los Robles Hospital - 32min	215 W Janss, Thousand Oaks, CA	No	No	805-497-2727	

Special Medical Emergency Procedures

CONTACT IMMEDIATE SUPERVISOR IF INJURED OR EXPERIENCING SYMPTOMS OF EXPOSURE.
UTILIZE COMMAND CHANNEL TO REQUEST ASSISTANCE. If Immediate EMS needed, paraphrase radio traffic with "Emergency Traffic". Provide the following Info: Type of injury, Location, Number of victims, agency of victim, point of contact, staging location for EMS response and if hazmat entry/decon required.

MISSION INCIDENT
ICS 207
ORGANIZATIONAL CHART
PERIOD 29
12/22-12/28





Legend
 Site Location



Mission Incident Operations Plan

Operational Period: 29

Date: December 22, 2014 06:00 – December 28, 2014 06:00

Operation Description:

Task 1: Storm Water Recovery Ops

Step	Procedure Described	Primary Resources	Safety Procedures
1.	Recover storm water on-site as needed for prevention of site run-off and prevent on-site contamination of cleared areas in case of rain event.	<ul style="list-style-type: none">• 1 Driver• 1 Frac tank	<ul style="list-style-type: none">• JHA prior to entrance

Approved as part of this IAP.

Document	Organization	Section	Electronic Filename
Operations Plan	CTEH	ER	106846 Release Area Stabilization Operations Plan 2.0.doc

MISSION INCIDENT - Tentative Objective Completion Dates

			December																		
Task		Days Total	Sat 13	Sun 14	Mon 15	Tue 16	Wed 17	Thu 18	Fri 19	Sat 20	Sun 21	Mon 22	Tue 23	Wed 24	Thu 25	Fri 26	Sat 27	Sun 28	Mon 29	Tue 30	Wed 31
Complete application of sodium sulfite solution to all surfaces in D5	E	1																			
	A	1																			
Solidify pool and stockpile once solidified	E	7																			
	A																				
Containerize solidified waste in roll-off boxes	E	10																			
	A																				
Decontamination of two (2) 70-barrel vacuum trucks in D2	E	4																			
	A																				
Phase 1/2 of Tank and Tote Inventory Sampling and Analysis Plan - visual assessment of tanks on site and tank grouping	E	3																			
	A	2																			
Phase 3 of Tank and Tote Inventory Sampling and Analysis Plan - HazCat 10% of tanks from each tank group	E	2																			
	A	2																			
Phase 4 of Tank and Tote Inventory Sampling and Analysis Plan - Collect analytical sample from each tank group	E	2																			
	A	2																			

Break for Holidays
Estimated
Actual

MISSION INCIDENT - Tentative Objective Completion Dates

			January																		
Task		Days Total	Thu 1	Fri 2	Sat 3	Sun 4	Mon 5	Tue 6	Wed 7	Thu 8	Fri 9	Sat 10	Sun 11	Mon 12	Tue 13	Wed 14	Thu 15	Fri 16	Sat 17	Sun 18	Mon 19
Containerize solidified waste in roll-off boxes and sample per Waste Management Plan	E	10																			
	A																				
Decontamination of two (2) 70-barrel vacuum trucks in D2	E	4																			
	A																				
Decontamination of source 120-barrel vacuum truck in D5	E	2																			
	A																				
Decontamination of C1, C2, C3, D1, D2, D3, D4, and D5	E	7																			
	A																				
Soil sampling per Soil Sampling Analysis Plan	E	4																			
	A																				
	E																				
	A																				
	E																				
	A																				

Estimated

Actual


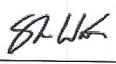


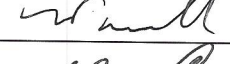

MISSION INCIDENT
SANTA PAULA, CA

OPERATIONAL PLAN
FOR DECEMBER 22, 2014 THROUGH DECEMBER 28, 2014.
VERSION 1.0

PREPARED ON BEHALF OF



Prepared By
Center for Toxicology and Environmental Health, L.L.C.
5120 North Shore Drive
Little Rock, AR 72212
501-801-8500

	Position/Name	Signature	Date Signed
Prepared by:	Wesley Killingsworth ESPM		12/19/14
Reviewed by:	Shawn Wnek Ph.D.		12/19/14
Submitted by:	Kyle Lawrence ESPM		12/19/14
Approved by:	Jason Gutzman IC/HC		12/19/14
Approved by:	MARTIN POWELL		12/19/14
Approved by:	GLENN AUSTIN		12/19/14

The Operational Plan for December 22, 2014 through December 28, 2014 has been prepared by CTEH® on behalf of Patriot Environmental to request approval by Unified Command to cease all air monitoring activities within the nearby community, facility perimeter, and within the facility while onsite operational activities are halted from December 22, 2014 through December 28, 2014 at the Santa Clara Waste Water Company (SCWWC) facility in Santa Paula, CA. Cumulative air monitoring data is presented in this report to Unified Command (UC) for approval of this plan.

1.0 Introduction and Purpose

This plan will act as an multipurpose addendum to the Unified Command approved Air Sampling and Analysis Plan v3.0, Environmental Sampling and Analysis Plan, and Site Control Plan. This plan will be in effect from December 22, 2014 through December 28, 2014. CTEH® air monitoring activities will resume per UC approved Air Sampling and Analysis Plan v3.0 on December 29, 2014.

CTEH® air monitoring efforts were initiated on Thursday, November 20, 2014. To date, the original Air Sampling and Analysis Plan, approved by Unified Command, has been utilized for the following functions:

- air monitoring in the work area and decontamination areas onsite at SCWWC facility;
- air monitoring along the perimeter of the SCWWC facility; and
- air monitoring in the nearby community.

Request for approval of this plan is based on air monitoring data collected to date for constituents present in the Air Sampling and Analysis Plan v3.0. During this time period air monitoring activities in the community demonstrate no detections of constituents including: chlorine (Cl_2), carbon monoxide (CO), hydrogen sulfide (H_2S), hydrochloric acid (HCL), flammability as percent of the lower explosive limit (LEL), peroxides, oxides, sulfur dioxide (SO_2), sulfuric acid (H_2SO_4), and volatile organic compounds (VOCs). Particulate matter monitoring in the community (2.5 and 10 micron particles, $\text{PM}_{2.5}$ and PM_{10}) presented levels that were typical of ambient conditions. Air monitoring activities onsite within the SCWWC facility demonstrate no sustained detections above CTEH® site-specific action levels as presented in the Air Sampling and Analysis Plan v3.0.

2.0 Site Stabilization and Security

Prior to the Holiday break, all rolloff box lids will be closed and poly sheeting/berming will occur as needed to secure the site. Prior to CTEH® staff leaving site, training on proper sampling techniques will be provided to Patriot Environmental or a designated contractor on how to collect outfall samples. The perimeter will be monitored during any rain event that is greater than 0.5". This designated contractor will be instructed to collect outfall samples during any rain event where stormwater is leaving site. If stormwater is leaving site, Patriot Environmental will be immediately notified to mitigate the water leaving site and an outfall sample will be collected. Gates to the property will be locked and twenty-four hour site security will be maintained while onsite work activity is halted from December 22, 2014 through December 28, 2014.

3.0 Real-Time Air Monitoring

Summaries of air monitoring activities recorded on real-time instrumentation by CTEH® field personnel have been provided daily to Unified Command. A cumulative report summarizing all real-time readings collected during this response is provided in **Appendix A**.

Real-time air monitoring within the community surrounding the SCWWC facility has been performed using hand-held real-time air monitoring instruments. As of December 17, 2014, no detections of Cl₂, CO, H₂S, HCL, LEL, peroxides, oxides, SO₂, H₂SO₄, and VOCs have been observed on hand-held real-time instrumentation within areas of the nearby community while under operational control of the Mission Incident UC. Particulate matter monitoring in the community for PM_{2.5} and PM₁₀ were typical of ambient conditions.

Real-time air monitoring has also been performed along the perimeter of the work area using remote-telemetering AreaRAE instruments. AreaRAE units have reported instantaneous detections; however, there have been no exceedances of CTEH® site-specific action levels of any monitored analyte (Cl₂, H₂S, LEL, O₂, SO₂, VOC) within the work area; these action levels are presented in the Air Sampling and Analysis Plan v3.0. Data from these AreaRAE units may include drift events. Drift is defined as interference in the sensor's ability to accurately report the concentration of a chemical in the

atmosphere and is often brought about by changes in environmental factors (e.g. humidity and temperature).

Real-time handheld air monitoring within work areas at the SCWWC facility has been performed as needed, based on the level of operational activities. The results of these air monitoring activities indicate no sustained detections of Cl₂, CO, H₂S, HCL, VOCs, SO₂, H₂SO₄ or LEL during work operations; no CTEH® site-specific action level exceedances were reported within the work areas.

Based on the limited chemical detections onsite and absences of chemical detections in the community during onsite work activities within the facility, these data are presented to Unified Command for approval of the cessation of air monitoring activities within the community and work area from December 22, 2014 through December 28, 2014. Upon approval of this plan, staffing within these areas for real-time air monitoring purposes would be eliminated from December 22, 2014 through December 28, 2014. Air monitoring operations as identified in the Unified Command approved Air Sampling and Analysis Plan v3.0 will resume December 29, 2014 when onsite work operations continue.

4.0 Air Monitoring Summary Reporting

Results from real-time air monitoring and air sampling activities will proceed with normal delivery schedules beginning after onsite work operations resume on December 29, 2014.

Any decision to eliminate daily reporting or to reduce air monitoring activities will be made by Unified Command in an operational period following December 29, 2014.

Appendix A

Cumulative Summary of Air Monitoring Readings November 20, 2014 – December 18, 2014¹

¹ Compiled data summary as of December 18, 2014 at 1530 PST.

Location Category	Analyte	Instrument	No of Records	No of Detections	Min Detection	Max Detection	Units
Community	Cl ₂	Gastec Tube #8La	141	0	NA	NA	ppm
		MultiRAE Plus	291	0	NA	NA	ppm
		MultiRAE Pro	2	0	NA	NA	ppm
	CO	MultiRAE Pro	75	0	NA	NA	ppm
	H ₂ S	MultiRAE Plus	413	0	NA	NA	ppm
		MultiRAE Pro	160	0	NA	NA	ppm
	H ₂ SO ₄	Gastec Tube #35	413	0	NA	NA	mg/m ³
	HCl	Gastec Tube #14L	90	0	NA	NA	ppm
	LEL	MultiRAE Plus	662	0	NA	NA	%
		MultiRAE Pro	98	0	NA	NA	%
	O ₂	MultiRAE Plus	663	663	20.9	21	%
		MultiRAE Pro	18	18	20.9	20.9	%
	Peroxides	Gastec Tube #32	422	0	NA	NA	ppm
	PM2.5	AM510	19	19	0.002	0.074	mg/m ³
		DustTrak DRX	1	1	0.015	0.015	mg/m ³
	PM10	AM510	308	308	0.001	0.066	mg/m ³
		DustTrak DRX	283	283	0.001	0.049	mg/m ³
	SO ₂	MultiRAE Plus	690	0	NA	NA	ppm
Exclusion Zone	Cl ₂	MultiRAE Pro	684	0	NA	NA	ppm
		MultiRAE Plus	75	0	NA	NA	ppm
	CO	MultiRAE Plus	75	0	NA	NA	ppm
		MultiRAE Pro	2	0	NA	NA	ppm
		MultiRAE Plus	2	0	NA	NA	ppm
	H ₂ S	Gastec Tube #4LL	1	0	NA	NA	ppm
		MultiRAE Plus	86	0	NA	NA	ppm
		MultiRAE Pro	16	0	NA	NA	ppm
	H ₂ SO ₄	Gastec Tube #35	20	0	NA	NA	mg/m ³
	HCl	Gastec Tube #14L	15	0	NA	NA	ppm
	LEL	MultiRAE Plus	109	0	NA	NA	%
		MultiRAE Pro	5	0	NA	NA	%
	O ₂	MultiRAE Plus	81	81	20.9	20.9	%
	Peroxides	Gastec Tube #32	25	0	NA	NA	ppm
	PM10	AM510	17	17	0.005	0.286	mg/m ³
	SO ₂	MultiRAE Plus	103	0	NA	NA	ppm
	VOC	MultiRAE Plus	113	4	0.1	0.4	ppm
		MultiRAE Pro	6	1	0.5	0.5	ppm
Work Area	Benzene	UltraRAE 3000	2	0	NA	NA	ppm
	Cl ₂	Gastec Tube #8La	87	4	0.05	0.05	ppm
		MultiRAE Plus	233	1	0.5	0.5	ppm
		MultiRAE Pro	51	0	NA	NA	ppm
	CO	MultiRAE Plus	1	0	NA	NA	ppm
		MultiRAE Pro	10	0	NA	NA	ppm
	H ₂ S	Gastec Tube #4LL	15	0	NA	NA	ppm
		MultiRAE Plus	234	3	1	20	ppm
		MultiRAE Pro	408	0	NA	NA	ppm
	H ₂ SO ₄	Gastec Tube #35	102	0	NA	NA	mg/m ³
	HCl	Gastec Tube #14L	46	0	NA	NA	ppm
	LEL	MultiRAE Plus	288	0	NA	NA	%
		MultiRAE Pro	281	0	NA	NA	%
	O ₂	MultiRAE Plus	263	263	20.9	20.9	%
		MultiRAE Pro	183	183	20.9	20.9	%
	Peroxides	Gastec Tube #32	124	0	NA	NA	ppm
	PM2.5	AM510	3	3	0.005	0.072	mg/m ³
	PM10	AM510	240	240	0.001	0.9	mg/m ³
		DustTrak DRX	20	20	0.002	0.042	mg/m ³
	SO ₂	Gastec Tube #5Lb	11	0	NA	NA	ppm
		MultiRAE Plus	336	0	NA	NA	ppm
		MultiRAE Pro	67	0	NA	NA	ppm
	VOC	MultiRAE Plus	372	13	0.1	69.8	ppm
		MultiRAE Pro	324	0	NA	NA	ppm

Cumulative Real-Time Graphs Community Monitoring

Location Cate.. Analyte

Community

Cl₂

0

CO

0

H₂S

0

H₂SO₄

0

HCl

0

LEL

0

O₂

20

10

0

Peroxides

0

PM_{2.5}

0.06

0.04

0.02

0.00

PM₁₀

0.06

0.04

0.02

0.00

SO₂

0

VOC

0

Nov 23

Nov 28

Dec 3

Dec 8

Dec 13

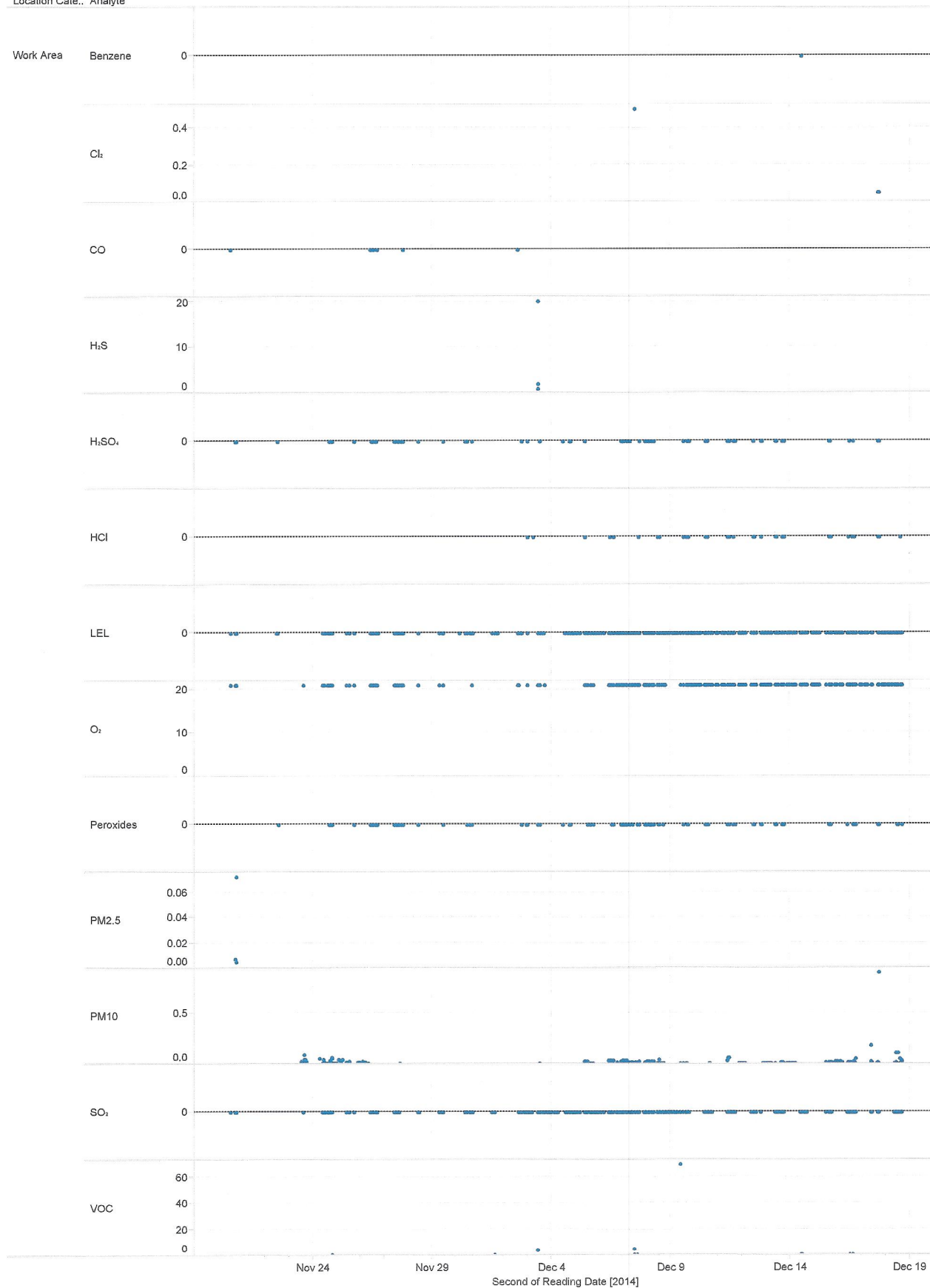
Dec 18

Second of Reading Date [2014]

Data is presented in a preliminary format and is subject to additional QA/QC procedures

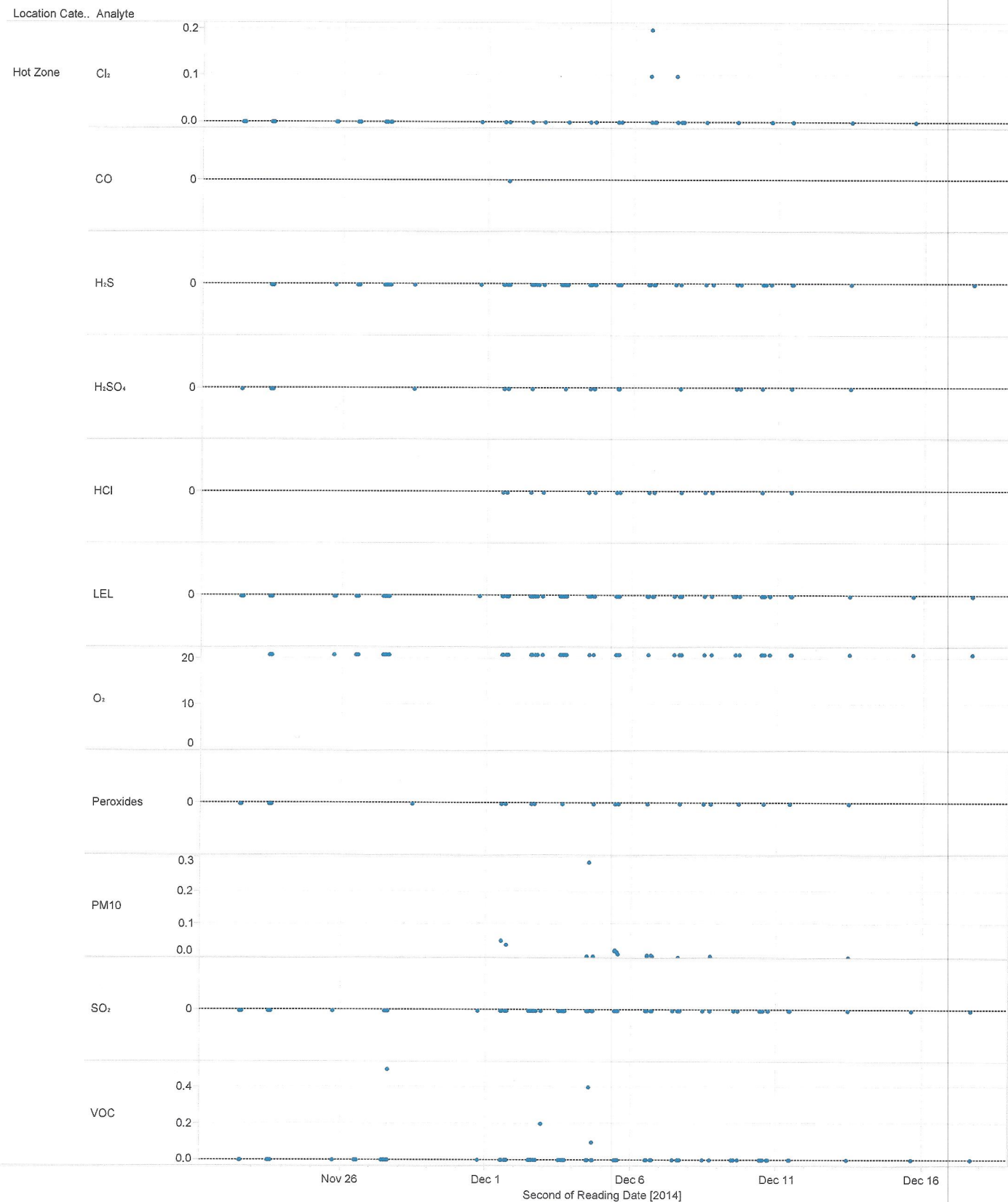
Cumulative Real-Time Graphs Work Area Monitoring

Location Cate.. Analyte



Data is presented in a preliminary format and is subject to additional QA/QC procedures

Cumulative Real-Time Graphs Exclusion Zone Monitoring



Data is presented in a preliminary format and is subject to additional QA/QC procedures